
**Curriculum Vitae:
Stefania Fatone, Ph.D.**

Phone: +1 (312) 238 6538
Email: s-fatone@northwestern.edu

Current Position

Dec 2003-present Research Assistant Professor, Northwestern University Feinberg School of Medicine, Chicago, IL, USA. Prosthetics Research Laboratory and Rehabilitation Engineering Research Program.

Education and Training

9/2000-12/2003 Post-doctoral Fellow, Prosthetics Research Laboratory and Rehabilitation Engineering Research Program, Chicago, USA. Supported by the US Department of Education, National Institute of Disability and Rehabilitation Research, Research Training Grant #H133P990006.

1996-2000 Doctor of Philosophy, La Trobe University, Melbourne, Australia.

1992-1995 Bachelor of Prosthetics and Orthotics (Honours), La Trobe University, Melbourne, Australia.

Employment History

8/2004-12/2004 Orthotics Instructor, Northwestern University Prosthetic-Orthotic Center, Chicago, IL, USA.

1999-2000 Associate Lecturer (0.2 position), National Centre for Prosthetics and Orthotics, School of Human Biosciences, La Trobe University, Melbourne, Australia.

1995-2000 Tutor and Lecturer (sessional), School of Human Biosciences, La Trobe University, Melbourne, Australia.

1997-1999 Orthotist (0.2 position), Royal Children's Hospital, Melbourne, Australia.

1997-1999 Research Assistant (part-time), Royal Children's Hospital, Melbourne, Australia.

4/1995-5/1995 Locum Prosthetist, Caulfield General Medical Centre, Melbourne, Australia.

Grants

2007-2009 US Department of Veterans Affairs Merit Review #BR314R for "Effect of Spine Surgery on Energy Expenditure of Walking." Co-investigator/Project Leader. \$276,723, 3-years.

2005-2008 USA Department of Veterans Affairs Merit Review #A3573R for "An Investigation of Ankle Joints for Ankle Foot Orthoses (AFOs)." Co-investigator/Project Leader. \$496,896, 3-years.

2003-2008 NIDRR, US Department of Education Grant #H133E030030 for the "RERC in Prosthetics and Orthotics." Co-investigator. \$950,000/yr, 5-years.

2001-2004 USA Department of Veterans Affairs Special Solicitation Grant #A26761 for "An Investigation of Foot Alignment and Support in Ankle Foot Orthoses (AFOs)." Co-investigator/Project Leader. \$426,279, 3-years.

Awards and Honors

- 2007 Honorary Membership, American Academy of Orthotists and Prosthetists. Presented at the Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 21-24, San Francisco, CA.
- 2006 Recipient, Howard R. Thranhardt Lecture Award. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 1-4, Chicago, Illinois. Presentation titled: Effect of an Ankle Foot Orthosis on Roll-over Shape in People with Hemiplegia.
- 2003 Awarded the 'red ribbon' for outstanding poster. Congress of Neurological Surgeons, 53rd Annual Meeting, October 18-23, Denver, Colorado, USA. Poster titled: Development of An Advanced Biomechanical Spine Model to Assess the Effect of Surgical Stabilization and Alignment on Gait.
- 2000 E.H. Armstrong Award for Services to Lower Limb Amputees, La Trobe University, Melbourne, Australia.
- 1996-1999 The Ray McKernan Studentship for Orthotic and Prosthetic Biomechanical Research, Royal Children's Hospital, Melbourne, Australia.
- 1995 D.M. Myer University Medal, La Trobe University, Melbourne, Australia.
- 1995 Hans Georg Nader Prize for Most Outstanding Prosthetics and Orthotics Honours Student, La Trobe University, Melbourne, Australia.

Publications

1. Fatone S. (In press.) Orthotic Management in Stroke. In: Stein, J., Harvey, R.L., Macko, R.F., Winstein, C.J. and Zorowitz, R.D. (eds.) Stroke Recovery and Rehabilitation. Demos Publishing.
2. Dillon M., Hansen A. and Fatone, S. (2008) Influence of marker models on ankle kinematics in persons with partial foot amputation: an investigation using a mechanical model. *Journal of Rehabilitation Research & Development*, 45(4).
3. Saha D., Gard S. and Fatone S. (2007) The Effect of Trunk Flexion on Able-bodied Gait. *Gait & Posture*, doi:10.1016/j.gaitpost.2007.08.009.
4. Zissimopoulos A., Fatone S. and Gard S. (2007) The Biomechanical and Energetic Effects of a Stance-Control Orthotic Knee Joint. *Journal of Rehabilitation Research & Development*, 44(4):503-514
5. Saha D., Gard S. and Fatone S. (2007) The Effect of Trunk Posture on Static Standing. *Spine* 32(15).
6. Dillon M., Fatone S. and Hodge MC. (2007) Biomechanics of Ambulation after Partial Foot Amputation. Proceedings of the American Academy of Orthotists and Prosthetists State of the Science Conference 8: Biomechanics of Partial Foot Amputation, March 1-4, 2007, Chicago, Illinois. *Journal of Prosthetics and Orthotics Proceedings No. 8:P2-P61*.
7. Fatone S. and Hansen A. (2007) Effect of an Ankle Foot Orthosis on Roll-over Shape in Adults with Hemiplegia. *Journal of Rehabilitation Research & Development* 44(1):11-20.
8. Fatone S. and Hansen A.H. (2007) Effect of Ankle Joint Misalignment on Calf Band Movement in Ankle-Foot Orthoses. *Prosthetics Orthotics International*, 31(1):76-87.
9. Konz R., Fatone S., Stine R., Ganju A., Gard S. and Ondra S. (2006) A Kinematic Model to Assess Spinal Motion During Walking. *Spine*, 31(24):E898-E906.
10. Konz R., Fatone S. and Gard S. (2006) The Effect of Restricted Spinal Motion on Gait. *Journal of Rehabilitation Research & Development*, 43(2):161-170.

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11. Fatone S. (April 14, 2006) Orthotics. In: Akay M. (ed.), Wiley Encyclopedia of Biomedical Engineering, 6 Volume Set. Hoboken, N.J.: John Wiley & Sons, Inc. ISBN: 0-471-24967-X dx.doi.org/ 10.1002/9780471740360.ebs0876
 12. Fatone S. (2006) A Review of the Literature Pertaining to KAFOs and HKAFOs for Ambulation. Proceedings of the American Academy of Orthotists and Prosthetists State of the Science Conference 7: Knee-Ankle-Foot Orthoses for Ambulation, February 11-12, 2006, Chicago, Illinois. *Journal of Prosthetics and Orthotics*, 18(3S):137-168.
 13. Gard S.A. and Fatone S. (2005) Biomechanics of Lower Limb Function and Gait. In: Martina, J.D. and Geertzen, J.H.B. (eds.), Orthotic Management and Related Therapies after Stroke. Groningen, The Netherlands: International Society for Prosthetics and Orthotics.
 14. Gard S.A. and Fatone S. (2004) Biomechanics of lower limb function and gait. In: E. Condie (ed.), Report of a Consensus Conference on the Orthotic Management of Stroke Patients. Copenhagen, Denmark: International Society for Prosthetics and Orthotics. ISBN-87-89809-14-9.
 15. Boyd R.N., Fatone S., Olesch C., Rodda J., Cullis E., Starr R., Natrass G.R. and Graham H.K. (1999) High or low technology measurements of energy expenditure in clinical gait analysis. *Developmental Medicine and Child Neurology*, 41(10):676-682.
 16. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1996) Gait Biomechanics of the Hip and Pelvis in Children with Proximal Femoral Focal Deficiency. *Prosthetics and Orthotics Australia*, 12(3):14-29.

Presentations

1. Fatone S. (2008) Application of marker-based motion analysis systems to prosthetics and orthotics. **Invited Speaker** in “Discovering Prosthetics and Orthotics through Instrumented Gait Assessment (AAOP Gait Society presentation).” Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.
2. Fatone S. (2008) Biomechanics of Ambulation after Partial Foot Amputation: A Systematic Literature Review. **Invited Speaker** in “Evidence Reports: Findings from the SSC on Biomechanics of Ambulation after Partial Foot Amputation (Instructional Course).” Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.
3. Hansen A., Dillon M. and Fatone S. (2008) Source of Increased Dorsiflexion During Gait of Persons with Partial Foot Amputations when Shod or in ‘Below-Ankle’ Devices. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.
4. Sessoms P., Fatone S. and Hansen A. (2008) Case Study: Gait Analyses of Persons with Partial Foot Amputation Walking Barefoot and With Dorsiflexion Stop Ankle Foot Orthoses. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.
5. Del Bianco J. and Fatone S. (2008) A Functional Comparison Between Silicone Ankle-Foot Orthoses (SAFOs) and Posterior Leaf Spring Ankle-Foot Orthoses (PLS-AFOs) Using Gait Analysis in a Subject with Charcot-Marie-Tooth Disorder. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.

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6. Fatone S. (2008) A Review of Functional Analyses of Van Nes Rotationplasty in the Treatment of PFFD and Osteosarcoma. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, February 27 – March 1, Orlando, FL.
 7. Fatone S. and Hansen A. (2008) A Review of Principles and Clinical Implications of Roll-over Shape. **Invited Speaker**, Current Clinical Concepts in Orthotic & Prosthetic Rehabilitation, sponsored by the VHA O&P Education Committee as an extension of the O&P Strategic Planning, VA Prosthetic and Clinical Logistics (Central Office), February 6-8, Long Beach, CA.
 8. Fatone S. (2008) Functional Evaluation of Ankle Foot Orthoses in Adults with Post-Stroke Hemiplegia. **Invited Speaker**, Current Clinical Concepts in Orthotic & Prosthetic Rehabilitation, sponsored by the VHA O&P Education Committee as an extension of the O&P Strategic Planning, VA Prosthetic and Clinical Logistics (Central Office), February 6-8, Long Beach, CA.
 9. Fatone S. and Hansen, A. (2007) Effect of an Ankle Foot Orthosis on Roll-over Shape in Adults with Hemiplegia following Stroke. **Invited Speaker**, 16th Annual Visiting Professor Symposium, Motion Analysis Center, Children’s Memorial Hospital, November 9, Chicago, IL.
 10. Fatone S. (2007) Effect of Ankle Foot Orthosis Alignment and Foot-Plate Length on the Gait of Adults with Hemiplegia. **Invited Speaker**, American Academy of Orthotists and Prosthetists Midwest Chapter Fall Meeting, November 3, Hickory Hills, IL.
 11. Del Bianco J. and Fatone S. (2007) Silicone AFO Research. **Invited Presentation**, American Academy of Orthotists and Prosthetists North Carolina and South Carolina Chapter Meeting, November 2, Charlotte, NC.
 12. Fatone S. (2007) Functional Evaluation of Ankle Foot Orthoses in Adults with Post-Stroke Hemiplegia. **Invited Speaker**, Bio-Interest Group (BIG) seminar series, Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign, October 15, Urbana-Champaign, IL.
 13. Fatone S. (2007) O&P Outcomes Initiative Steering Committee: Progress Report and Panel Discussion. **Panel Member**, American Orthotics and Prosthetics Association National Assembly, September 16-20, Las Vegas, NV.
 14. Dillon M., Fatone S., Hodge M. (2007) Biomechanics of Ambulation after Partial Foot Amputation: Systematic Review. In: “Symposium—Management of the Partial Foot Amputee.” **Invited Speaker**, 12th World Congress of the International Society for Prosthetics and Orthotics, July 29 to August 30, Vancouver, BC, Canada.
 15. Fatone S. (2007) Review of Functional Analyses of Van Nes Rotationplasty for PFFD and osteosarcoma. In: “Advanced Instructional Course—Van Nes Rotationplasty in the treatment of PFFD and osteosarcoma of the distal femur.” **Invited Speaker**, 12th World Congress of the International Society for Prosthetics and Orthotics, July 29 to August 30, Vancouver, BC, Canada.
 16. Fatone S., Gard S. and Malas B. (2007) Effect of AFO Alignment on Plantar Pressures During Walking in Adults With Hemiplegia. 12th World Congress of the International Society for Prosthetics and Orthotics, July 29 to August 30, Vancouver, BC, Canada.
 17. Fatone S. (2007) Orthotic Management of Stroke: Lower Limb. **Invited Speaker**, Rehabilitation Institute of Chicago Stroke Course, April 12-13, Chicago, Illinois.
 18. Johnson B., Fatone S. and Gard S. (2007) Preliminary Results for a Dynamic Analysis of RGO Users. Gait and Clinical Motion Analysis Society, April 11-14, Springfield, Massachusetts.
 19. Fatone S., Gard S. and Malas B. (2007) Effect of Ankle Foot Orthosis (AFO) foot plate length on plantar pressures in adults with hemiplegia. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 21-24, San Francisco, California.

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20. Zissimopoulos A., Fatone S. and Gard S. (2007) The Biomechanical and Energetic Effects of a Stance-Control Orthotic Knee Joint. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 21-24, San Francisco, California.
 21. Sorci E., Fatone S., Hansen A. and Gard S. (2007) Pilot Study Evaluating Ankle Foot Orthoses using Roll-over Shapes. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 21-24, San Francisco, California. (Resident Poster).
 22. Fatone S. (2007) Summary of the SSC7 Literature Review and Ranking. Instructional Course: Findings from the Recent Academy State of the Science Conference on Knee Ankle Foot Orthoses. **Invited Participant**, Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 21-24, San Francisco, California.
 23. Dillon M., Fatone S., Hodge M. (2007) Literature Review and Ranking. **Invited Participant**, American Academy of Orthotists and Prosthetists State of the Science Conference 8: Biomechanics of Partial Foot Ambulation. March 3-4, Rosemont, IL.
 24. Fatone S. (2007) Agency for Health Care Policy and Research (AHCPR) Rating System. **Invited Speaker**, American Academy of Orthotists and Prosthetists Symposium on Assessment of Literature Quality, January 19-20, Seattle, WA.
 25. Johnson B., Fatone S., Gard S. (2006) Preliminary Findings for a Pilot Study on the Mechanics of RGO Gait. 15th Annual Visiting Professor Symposium, Motion Analysis Center, Children's Memorial Hospital, November 10, Chicago, IL.
 26. Fatone S. (2006) Normal Human Locomotion. **Invited Speaker**, In-house lecture series, Children's Memorial Hospital, October 17, Chicago, IL.
 27. Fatone S. (2006) Orthotics Research: where we are now and where we're headed. **Invited Speaker**, Ohio Chapter, American Academy of Orthotists and Prosthetists Annual Fall Scientific Meeting, October 14, Columbus, Ohio.
 28. Konz R., Fatone S., Gard S., Ganju A., Ondra S., Childress D., Stine R. (2006) The Role of the Spine in Human Walking: Studies of Able-bodied Persons and Individuals with Spinal Pathologies. Medtronic Sofamor Danek, Inc., October 16, Memphis, TN.
 29. Konz R., Fatone S., Gard S., Ganju A., Ondra S., Childress D., Stine R. (2006) The Role of the Spine in Standing and Walking: Where Do We Go From Here? Medtronic Sofamor Danek, Inc., October 16, Memphis, TN.
 30. Saha D., Gard S., Fatone S. and Ondra S. (2006) The Effect of Trunk Posture on Global Balance. 56th Annual Congress of Neurological Surgeons, October 7-12, Chicago, Illinois (e-poster).
 31. Fatone S. (2006) Putting the 'O' in P&O research. The Dudley S. Childress Symposium, Northwestern University Prosthetics Research Laboratory and Rehabilitation Engineering Research Program, October 6-7, Chicago & Evanston, IL.
 32. Saha D., Gard S. and Fatone S. (2006) Vertical Ground Reaction Force During Trunk-flexed Gait. American Society of Biomechanics, September 6-9, Blacksburg, Virginia.
 33. Fatone S. (2006) Funding P&O Research. **Invited Speaker**, American Orthotics and Prosthetics Association, Board of Directors Meeting, July 13, Sedona, AZ.
 34. Fatone S. and Gard S.A. (2006) Biomechanics of Lower Limb Function and Gait. **Invited Speaker**, AAOP Certificate Course on "Orthotic Management of the CVA/Stroke Patient." American Academy of Orthotists and Prosthetists, Annual Meeting, March 1-4, Chicago, IL.
 35. Fatone S., Gard S.A. and Heckathorne C. (2006) Research in P&O: Are We Addressing Clinically Relevant Problems. Special Event, American Academy of Orthotists and Prosthetists, Annual Meeting, March 1-4, Chicago, IL.

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36. Fatone S. and Hansen A. (2006) A Geometric Model to Predict the Effect of Ankle Joint Misalignment on Calf Band Movement in an Ankle Foot Orthosis. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 1-4, Chicago, Illinois.
 37. Fatone S. and Hansen A. (2006) Effect of Ankle Foot Orthosis on Roll-over Shape in People with Hemiplegia. Annual Meeting and Scientific Symposium of the American Academy of Orthotists and Prosthetists, March 1-4, Chicago, Illinois. (**Recipient, Howard R. Thranhardt Lecture Award**).
 38. Fatone S. (2006) Online Survey and Forum: Summary of Results. Northwestern University Rehabilitation Engineering Research Center in Prosthetics and Orthotics, State of the Science Meeting in Prosthetics and Orthotics Research, February 28, Chicago, IL.
 39. Fatone S. (2006) Lower Limb Orthotics: Literature Review. Northwestern University Rehabilitation Engineering Research Center in Prosthetics and Orthotics, State of the Science Meeting in Prosthetics and Orthotics Research, February 28, Chicago, IL.
 40. Fatone S. (2006) Literature Review and Ranking. **Invited Participant**, American Academy of Orthotists and Prosthetists State of the Science Conference 7: KAFOs for Ambulation. February 11-12, Chicago Hilton, O'Hare, IL.
 41. Fatone S., Gard SA. (2005) Biomechanics of Lower Limb Function and Gait. **Invited Speaker**, AAOP one day seminar on "Orthotic Management of the CVA/Stroke Patient." American Academy of Orthotists and Prosthetists, November 14, Rosemont, Illinois.
 42. Zissimopoulos A., Fatone S. and Gard S. (2005) Functional Benefits of Stance-Control Orthotic Knee Joints: Preliminary Data. 14th Annual Visiting Professor Symposium, Motion Analysis Center, Children's Memorial Hospital, November 4, Chicago, Illinois.
 43. Konz R., Fatone S., Gard S., Ganju A. and Ondra S. (2005) The Effects of Spinal Restriction on Walking: II. Lower Limb Data. Scoliosis Research Society 40th Annual Meeting, October 27-30, Miami, Florida (e-poster).
 44. Konz R., Ganju A., Fatone S., Ondra S., and Gard S. (2005) Non-invasive Measurement of Static and Dynamic Alignment. Congress of Neurological Surgeons, October 8-13, Boston, Massachusetts (poster).
 45. Gard S.A. and Fatone S. (2005) Biomechanics of Lower Limb Function and Gait. International Society for Prosthetics and Orthotics Update Course on Orthotic Management of Stroke, September 29-October 1, Arnhem, The Netherlands.
 46. Konz R., Ganju A., Fatone S., Ondra S. and Gard S. (2005) The Effects of Spinal Restriction on Walking: I. Regional Spinal Kinematics. 12th International Meeting on Advanced Spine Techniques, July 7-9, Banff, Canada (e-poster).
 47. Konz R., Fatone S., Gard S., Ganju A. and Ondra S. (2005) The Effects of Spinal Restriction on Walking: II. Lower Limb Data. 12th International Meeting on Advanced Spine Techniques, July 7-9, Banff, Canada (e-poster).
 48. Fatone S. (2005) From Concept to Execution: "The Role of the Spine in Human Walking: Able-bodied and Pathologic Individuals." Annual Department of Neurosurgery Research Retreat, "Research Training in Neurosurgery", March 25, Evanston Hospital, Evanston, Illinois.
 49. Fatone S. and Gard S.A. (2005) Biomechanics of Lower Limb Function and Gait. **Invited Speaker**, AAOP Certificate Course on "Orthotic Management of the CVA Stroke Patient." American Academy of Orthotists and Prosthetists, Annual Meeting, March 16-19, Orlando, Florida.

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50. Fatone S., Hansen A.H., Gard S.A., Malas B.S. (2005) Effects on Gait of Ankle Alignment and Foot-Plate Length in Ankle Foot Orthoses (AFOs). American Academy of Orthotists and Prosthetists, Annual Meeting, March 16-19, Orlando, Florida.
 51. Konz R.J., Fatone S. and Gard S.A. (2005) The Effect of a Thoraco-Lumbo-Sacral Orthosis on Gait. American Academy of Orthotists and Prosthetists, Annual Meeting, March 16-19, Orlando, Florida.
 52. Fatone S. (2004) Application of Instrumented Gait Analysis to Prosthetics and Orthotics. **Guest Speaker**, American Prosthetics and Orthotics Inc. Fall Scientific Meeting, October 23, Des Moines, Iowa.
 53. Fatone S. (2004) Effects on Gait of Ankle Alignment and Foot-Plate Length in Ankle Foot Orthoses. **Guest Speaker**, American Prosthetics and Orthotics Inc. Fall Scientific Meeting, October 23, Des Moines, Iowa.
 54. Fatone S. (2004) Overview of Prosthetics and Orthotics Research at Northwestern University. **Guest Speaker**, American Prosthetics and Orthotics Inc. Fall Scientific Meeting, October 23, Des Moines, Iowa.
 55. Konz R., Ganju A., Fatone S., Gard S. and Ondra S. (2004) Non-invasive Measurement of Static and Dynamic Alignment: Preliminary Data. Scoliosis Research Society, 39th Annual Meeting, September 6-9, Buenos Aires, Argentina (poster).
 56. Fatone S., Hansen, A.H., Gard S.A. and Malas B.S. (2004) The Effect of Ankle Foot Orthosis Alignment on the Knee During Gait in Post-Stroke Hemiplegia. International Society for Prosthetics and Orthotics, 11th World Congress, August 1-6, Wanchai, Hong Kong, China.
 57. Konz R., Fatone S. and Gard S.A. (2004) The Effect of Thoraco-Lumbo-Sacral Orthoses on Gait. International Society for Prosthetics and Orthotics, 11th World Congress, August 1-6, Wanchai, Hong Kong, China.
 58. Fatone S. (2004) The La Trobe University P&O Doctoral Program. Advanced Degree Conference, Sponsored by American Academy of Orthotists and Prosthetists & Prosthetics Research Study, July 15-16, Chicago, Illinois.
 59. Konz R., Ganju A., Fatone S., Gard S. and Ondra S. (2004) Non-invasive Measurement of Static and Dynamic Alignment: Preliminary Data. 11th International Meeting on Advanced Spine Techniques, July 1-3, Southampton, Bermuda (e-poster).
 60. Fatone S., Hansen, A.H., Gard S.A. and Malas B.S. (2004) An Investigation of Alignment and Support in Ankle Foot Orthoses (AFOs). **Invited Speaker**, American Academy of Orthotists and Prosthetists, Midwest Chapter Spring Meeting, June 3-5, Milwaukee, Wisconsin.
 61. Konz R., Fatone S. and Gard S.A. (2004) The Effect of Thoraco-Lumbo-Sacral Orthoses on Gait. Gait and Clinical Movement Analysis Society, 9th Annual Meeting, April 21-24, Lexington, Kentucky (poster).
 62. Fatone S., Gard S.A., Childress D.S. and Malas B. (2004) An Investigation of Foot Alignment and Support in Ankle Foot Orthoses (AFOs). Gait and Clinical Movement Analysis Society, 9th Annual Meeting, April 21-24, Lexington, Kentucky.
 63. Fatone S., Gard, S.A., Childress, D.S. and Malas, B. (2003) An Investigation of Foot Alignment and Support in Ankle Foot Orthoses (AFOs). Children's Memorial Hospital Visiting Professor Symposium, November 7, Chicago, Illinois.
 64. Fatone S., Gard S.A., Childress D.S. and Malas B. (2003) An Investigation of Foot Alignment and Support in Ankle Foot Orthoses (AFOs). American Congress of Rehabilitation Medicine, October 23-26, Tucson, Arizona. *Archives of Physical Medicine and Rehabilitation*, 84(10): A1-A12. www.archives-pmr.org and *Neurorehabilitation and Neural Repair*, 17(4).

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65. Konz R., Stine R., Ganju A., Fatone S., Jorge A., Gard S., Childress D. and Ondra S. (2003) Development of An Advanced Biomechanical Spine Model to Assess the Effect of Surgical Stabilization and Alignment on Gait. Congress of Neurological Surgeons, 53rd Annual Meeting, October 18-23, Denver, Colorado. **Awarded the 'red ribbon' for outstanding poster.**
 66. Gard S.A. and Fatone S. (2003) Biomechanics of Lower Limb Function and Gait. International Society for Prosthetics and Orthotics Consensus Conference on Orthotic Management of Stroke, September 22-26, Ellecom, The Netherlands.
 67. Konz R., Stine R., Fatone S., Ganju A., Jorge A., Gard S., Childress D. and Ondra S. (2003) Development of an Advanced Biomechanical Spine Model to Assess the Effect of Surgical Stabilization and Alignment on Gait. 10th International Meeting on Advanced Spine Techniques, July 10-12, Rome, Italy (poster).
 68. Konz R., Stine R., Fatone S., Gard S., Childress D., Ganju A. and Ondra S. (2003) An Advanced Biomechanical Model to Assess How Spinal Motion Contributes to Gait: Preliminary Data. Gait and Clinical Movement Analysis Society, 8th Annual Meeting, May 7-10, Wilmington, Delaware (poster).
 69. Fatone S. (2002) Post-doctoral Fellows and Orthotic Research. National Institute on Disability and Rehabilitation Research, Rehabilitation Engineering Research Center in Prosthetics and Orthotics, Summative Review, June 17, Rockville, Virginia.
 70. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (2002) Characteristics of PFFD Gait: Pelvic and Hip Biomechanics. Association of Children's Prosthetic-Orthotic Clinics, Annual Meeting, April 10-13, Toronto, Ontario, Canada.
 71. Fatone S., Gard S.A., Childress D.S. and Malas B.S. (2002) An Investigation of Foot Alignment and Support in Ankle Foot Orthoses (AFOs). Third VA Rehabilitation Research and Development National Meeting, February 10-12, Arlington, Virginia (poster).
 72. Fatone S. (2000) Biomechanics of the Foot and Ankle (overview). Workshop, Victorian Section Meeting, Australian Orthotic Prosthetic Association, May 24, Melbourne, Australia.
 73. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (2000) Pre- and post-operative gait analysis of tibial rotationplasty for PFFD. Second Australian Course in Clinical Gait Analysis, Clinical Gait Analysis Presentation Afternoon, Royal Children's Hospital, May 25, Melbourne, Australia.
 74. Fatone S. (1999) Gait biomechanics and prosthetic management of children with Proximal Femoral Focal Deficiency (PFFD). **Invited Speaker**, International Society for Prosthetics and Orthotics, Annual Scientific Meeting, November 4-6, Hobart, Australia.
 75. Fatone S., Bach T.M. and Graham H.K. (1999) Comparison of models of hip joint centre location in normals and children with PFFD. Clinical Gait and Motion Analysis Society, Annual Scientific Meeting, March 10-13, Dallas, Texas (poster). *Gait and Posture*, 9(2):131.
 76. Bach T.M., Fatone S. and Graham H.K. (1998) Comparison of models of hip joint centre location in normals and children with PFFD. International Society for Prosthetics and Orthotics, Annual Scientific Meeting, August 28-29, Sydney, Australia.
 77. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1998) Effect of prosthetic socket design on pelvis and hip kinematics in children with PFFD. International Society for Prosthetics and Orthotics, Annual Scientific Meeting, August 28-29, Sydney, Australia.
 78. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1998) Pre- and post-operative gait analysis of tibial rotationplasty for PFFD. International Society for Prosthetics and Orthotics, Annual Scientific Meeting, August 28-29, Sydney, Australia.

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79. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1998) Effects of prosthetic socket design on pelvis and hip kinematics in children with PFFD. International Society for Prosthetics and Orthotics, Ninth World Congress, 28 June to 3 July, Amsterdam, The Netherlands.
 80. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1998) Pre- and post-operative gait analysis of tibial rotationplasty for PFFD. International Society for Prosthetics and Orthotics, Ninth World Congress, June 28 to July 3, Amsterdam, The Netherlands.
 81. Torode I.P. and Fatone S. (1998) Instructional Course Lecture 6: Gait analysis in Proximal Femoral Focal Deficiency. Paediatric Orthopaedic Society of New Zealand, Special Annual Scientific Meeting, January 29-30, Queenstown, New Zealand.
 82. Fatone S., Bach T.M., Graham H.K. and Torode I.P. (1997) Motion of the PFFD Hip. International Society for Prosthetics and Orthotics, Annual Scientific Meeting, November 20-22, Melbourne, Australia (poster).
 83. Torode I.P., Fatone S. and Graham H.K. (1997) Kinematic analysis of the surgical and prosthetic options for children with PFFD. Australian Paediatric Orthopaedic Association, Annual Meeting, July 14-15, Sydney, Australia.
 84. Boyd R., Fatone S., Olesch O., Rodda J., Cullis E., Starr R., Natrass G. and Graham H.K. (1997) 'High Tech' or 'Low Tech' Measurement of Energy Expenditure in Clinical Gait Analysis? American Academy of Cerebral Palsy and Developmental Medicine, Annual Meeting, September 17-20, Portland, Oregon. *Developmental Medicine and Child Neurology*, 39(suppl. 75):17-18.
 85. Fatone S., Boyd R., Rodda J., Gallagher D., Cullis E., Natrass G. and Graham H.K. (1996) Evaluation of the Cosmed K4 in a Clinical Gait Analysis Laboratory. European Society for Movement Analysis in Children, International Meeting, September 12-14, Dublin, Ireland. *Gait and Posture*, 1997, 5(1):79.
 86. Fatone S., Bach T.M., Torode I.P. and Graham H.K. (1996) Biomechanics of the gait of children with Proximal Femoral Focal Deficiency (PFFD). International Society for Prosthetics and Orthotics, Annual Scientific Meeting, September 5-7, Brisbane, Australia.

Other Publications

1. Fatone S. (2007) Studies of the Biomechanics of Gait of Persons with Partial Foot Amputation. *Capabilities*, 15(3):3-4. Northwestern University, Chicago, IL.
2. Zissimopoulos A., Fatone S. and Gard S. (2007) Stance-Control Knee Ankle Foot Orthoses. *Capabilities*, 15(2):1-2. Northwestern University, Chicago, IL.
3. Fatone S. and Gard S.A. (Eds.) (2007) 'P&O Research: Are We Addressing Clinically-Relevant Problems?' Report on the State-of-the-Science Meeting in Prosthetics and Orthotics, February 28, 2006. Northwestern University Rehabilitation Engineering Research Center in Prosthetics and Orthotics, Feinberg School of Medicine, Northwestern University, Chicago, Illinois.
4. Johnson B. and Fatone S. (2006) Dynamic Analysis of an ARGO User. *The Academy Today*, August, 2(3):A10-A11. Supplement of *The O&P Edge*. American Academy of Orthotists and Prosthetists, Virginia, Illinois.
5. Fatone S. (2006) Results of NU Online Survey and Forum on Prosthetics and Orthotics Research. *Capabilities*, 14(3):4-6. Northwestern University, Chicago, Illinois.
6. Fatone S. (2005) AFO study draws to a close: An investigation of the effect on gait of ankle alignment and foot-plate length. *Capabilities*, 13(1):6-12. Northwestern University, Chicago, Illinois.

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7. Fatone S. and Edwards M. (2005) Contributors to Michael J. and Smith D. (Eds.) Advanced Education & Research Training Initiative [AERTI]: Prosthetic-Orthotic Strategic Plan for a Ten-Fold Increase in the Academic and Research Capacity of the Profession. Report, American Academy of Orthotists and Prosthetists, Alexandria, Virginia.
 8. Fatone S. and Gard S. (Eds.) (2004) American Academy of Orthotists and Prosthetists Advanced Training Course: Overview of Gait Analysis for Prosthetists and Orthotists. Northwestern University, November 1-4, Chicago, Illinois.
 9. Fatone S. and Gard S. (Eds.) (2003) American Academy of Orthotists and Prosthetists Advanced Training Course: Overview of Gait Analysis for Prosthetists and Orthotists. Northwestern University, September 19-21, Chicago, Illinois.
 10. Fatone S. and Childress D.S. (Eds.) (2003) Report on the State-of-the-Science Meeting in Prosthetics and Orthotics, May 17-18, 2003. Northwestern University Rehabilitation Engineering Research Center in Prosthetics and Orthotics, Feinberg School of Medicine, Northwestern University, Chicago, Illinois.
 11. Fatone S. (2003) Research Projects Place New Emphasis on Orthotics. *Capabilities*, 11(4): 12-13. Northwestern University, Chicago, IL, USA.
 12. Fatone S. (2003) Gait Biomechanics and Prosthetic Management of Children with Proximal Femoral Focal Deficiency (PFFD). *ACPOC Newsletter, Spring*, 9(1):5,6,8-10,13. Association of Children's Prosthetic Orthotic Clinics, Rosemont, IL, USA. Reprinted from *Capabilities*.
 13. Fatone S. (2002) NUPRL & RERP Hosts Gait Course. *Capabilities*, 11(3):11. Northwestern University, Chicago, Illinois.
 14. Fatone S. (2002) Gait Biomechanics and Prosthetic Management of Children with Proximal Femoral Focal Deficiency (PFFD). *Capabilities*, 11(2):1-2,6-7,9. Northwestern University, Chicago, Illinois.
 15. Fatone S. and Gard S. (2002) Terry Karpowicz Continues to Contribute with Participation in NUPRL & RERP Gait Studies. *Capabilities*, 11(1):5,15. Northwestern University, Chicago, Illinois.
 16. Fatone S. and Gard S. (Eds.) (2001) American Academy of Orthotists and Prosthetists Advanced Training Course: Overview of Gait Analysis for Prosthetists and Orthotists. Northwestern University, September 27-29, Chicago, Illinois.
 17. Fatone S., Malas B. and Gard S. (2001) NUPRL & RERP Launches New Orthotic Research. *Capabilities*, 10(4):1-3,9,11. Northwestern University, Chicago, Illinois.
 18. Fatone S. (2000) Gait Biomechanics and Prosthetic Management of Children with Proximal Femoral Focal Deficiency (PFFD). Thesis Abstract. Australian and New Zealand Society of Biomechanics, Newsletter, 5(1): 6.
 19. Fatone S. (Editor) (2000) La Trobe University Postgraduate Association Annual Report. La Trobe University, Melbourne, Australia.
 20. Fatone S. and Hodge M. (2000) Guidelines for Clinical Education 2000-2001. Second Edition. National Centre for Prosthetics and Orthotics, Melbourne, Australia.
 21. Fatone S. (2000) Useful Postgraduate Reference Books. In: Kraal D. (Editor) Postgraduate Handbook 2000. La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.
 22. Fatone S. and Hodge M. (1999) Guidelines for Clinical Education 2000. First Edition. National Centre for Prosthetics and Orthotics, Melbourne, Australia.
 23. Fatone S. (Editor) (1999) The Post. July, Issue 5. Newsletter of the La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.

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24. Belfrage J. and Fatone S. (1999) Thesis Examination Process. In: Ghaffurian M. (Editor) Postgraduate Handbook. La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.
 25. Fatone S. (Editor) (1998) The Post. November, Issue 4. Newsletter of the La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.
 26. Fatone S. (Editor) (1998) The Post. July, Issue 3. Newsletter of the La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.
 27. Bach T.M., Hodge M.C., Fatone S., Ford N. and Boyd R. (Editors) (1997) Proceedings of the International Society for Prosthetics and Orthotics, Annual Scientific Meeting, 20-22 November, Melbourne, Australia.
 28. Fatone S. (1997) Tickling the Soft Underbelly of Big Brother. The Post, 2:12. Newsletter of the La Trobe University Postgraduate Association, La Trobe University, Melbourne, Australia.

Professional Service

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| 10/2007 | Invited participant, American Academy of Orthotists and Prosthetists Strategic Planning Day, October 28, 2007, Chicago, IL. |
| 6/2007-4/2008 | Clinical Content Committee, American Academy of Orthotists and Prosthetists Annual Scientific Meeting, February 27-March 1, 2008, Orlando, FL. |
| 8/2007 | Grant Reviewer, International Society for Prosthetics and Orthotics, Australian National Member Society. |
| 7/2007 | Invited participant, NSF SBIR/STTR Biotechnology Topic Virtual Workshop, July 26, 2007. |
| 5/2007 | Invited participant, Orthotics & Prosthetics Development and Manufacturing Workshop, sponsored by the Department of Defense Office of the Secretary of Defense Manufacturing Technology Program and the Navy Manufacturing Technology Program, June 25-27, Silver Spring, Maryland. |
| 4/2007 | External Reviewer, STTR Phase I Review for US Army through GDIT. |
| 3/2007 | Moderator, Free Papers: Lower Limb Prosthetics, Annual Meeting of the American Academy of Orthotists and Prosthetists, March 21-24, 2007, San Francisco, CA. |
| 1/2007-present | Member, Outcomes Steering Committee, American Orthotic and Prosthetic Association. |
| 8/2006-present | Member, Research Council, American Academy for Orthotists and Prosthetists. |
| 10/2005-present | Member, Grants Committee, American Academy for Orthotists and Prosthetists (Chair, 8/2006 – present) |
| 2005-2008 | Member, Advance, Chicago Committee. |
| 2002-present | Ad-hoc reviewer for 29th International Conference of the IEEE Engineering in Medicine and Biology Society, Muscular Dystrophy Campaign (UK), Journal of Rehabilitation Research and Development, Journal of NeuroEngineering and Rehabilitation, IEEE Transactions on Neural Systems and Rehabilitation Engineering, Journal of Prosthetics and Orthotics, Assistive Technology, Archives of Physical Medicine and Rehabilitation. |
| 1997 | Convening Committee, International Society for Prosthetics and Orthotics, Annual Scientific Meeting, 20-22 November, Melbourne, Australia. |

Teaching Experiences

- 2004-2008 Introduction to Orthotics (guest lecture). BMD_ENG 365: Control of Human Limbs and Their Artificial Replacements, Northwestern University, Evanston IL, USA.
- 8/2004-12/2004 Fall 2004 Certificate Program in Orthotics (instructor). Northwestern University Prosthetics and Orthotics Center, Chicago IL, USA.
- 2002-2008 Normal Gait Analysis and Pathological Gait Analysis (guest lecture). Certificate Program in Orthotics, Northwestern University Prosthetics and Orthotics Center, Chicago IL, USA.
- 2001-2004 American Academy of Orthotists and Prosthetists Advanced Training Course: Overview of Gait Analysis for Prosthetists and Orthotists (faculty). Northwestern University, September 27-29, 2001; September 19-21, 2002; November 4-6, 2004, Chicago, IL, USA.
- 2000 Orthotic Management of CVA (lecture), 2nd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1999-2000 Patient Evaluation (practical classes), 2nd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1999-2000 Lower Limb Orthotics (practical classes), 2nd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1999 Anatomical Terminology and the Musculoskeletal System (lecture), Bridging Course in Anatomy and Physiology, School of Human Biosciences, La Trobe University, Melbourne, Australia.
- 1998-2000 Orthotic Management of Post-Polio Syndrome (lecture), 2nd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1998-2000 Physiotherapy Skills (orthotic practical classes), 2nd year Bachelor of Physiotherapy, School of Physiotherapy, La Trobe University, Melbourne, Australia.
- 1997-2000 Gait of Children with Limb Deficiencies (lecture), 3rd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1996, 2000 Lower Limb Prosthetics (practical classes), 3rd year Bachelor of Prosthetics and Orthotics, National Center for Prosthetics and Orthotics, La Trobe University, Melbourne, Australia.
- 1996-1999 Anatomy (practical classes), 1st year Bachelor of Health Science, Bachelor of Prosthetics and Orthotics, and Bachelor of Nursing, School of Human Biosciences, La Trobe University, Melbourne, Australia.